

## Author index of Volume 15

(The issue number is given in front of the page numbers)

- Anarim, E., *see* Y. Yemez (9) 729–766
- Antoszczyszyn, P.M., J.M. Hannah and P.M. Grant, A new approach to wire-frame tracking for semantic model-based moving image coding (6) 567–580
- Arnold, J.F., *see* M.R. Frater (7–8) 631–641
- Arnold, J.F., *see* M.R. Frater (10) 907–916
- Astola, J., *see* M. Helsingius (6) 513–529
- Atzori, L. and F.G.B. De Natale, Error concealment in video transmission over packet networks by a sketch-based approach (1–2) 57–76
- Avaro, O., A. Eleftheriadis, C. Herpel, G. Rajan and L. Ward, MPEG-4 Systems: Overview (4–5) 281–298
- Averbuch, A., M. Israeli and F. Meyer, Speed versus quality in low bit-rate still image compression (3) 231–254
- Basso, A., G.L. Cash and M.R. Civanlar, Real-time MPEG-2 delivery based on RTP: Implementation issues (1–2) 165–178
- Bertoglio, L., R. Leonardi and P. Migliorati, Intermedia synchronization for videoconference over IP (1–2) 149–164
- Biemond, J., *see* R.L. Lagendijk (6) 531–544
- Bologna, G., G. Calvagno, G.A. Mian and R. Rinaldo, Wavelet packets and spatial adaptive intraband coding of images (10) 891–906
- Bossen, F., *see* N. Brady (7–8) 601–617
- Bovik, A.C., *see* J.I. Kim (7–8) 643–663
- Boyce, J.M., Packet loss resilient transmission of MPEG video over the Internet (1–2) 7–24
- Brady, N. and F. Bossen, Shape compression of moving objects using context-based arithmetic encoding (7–8) 601–617
- Brandenburg, K., O. Kunz and A. Sugiyama, MPEG-4 natural audio coding (4–5) 423–444
- Calvagno, G., *see* G. Bologna (10) 891–906
- Cash, G.L., *see* A. Basso (1–2) 165–178
- Cazuguel, G., *see* A. Cziho (6) 545–558
- Chang, P.-R. and M.-J. Wu, A wavelet multiresolution compression technique for 3D stereoscopic image sequence based on mixed-resolution psychophysical experiments (9) 705–727
- Chang, L.W., *see* C.Y. Wang (10) 879–890
- Chen, Y., *see* H. Radha (1–2) 95–126
- Cho, D.-S., *see* S.-H. Son (7–8) 619–629
- Choe, Y., *see* T.K. Kim (10) 869–877
- Chung, J., J. Lee, J. Moon and J. Kim, A new vertex-based binary shape coder for high coding efficiency (7–8) 665–684
- Cierniak, R. and L. Rutkowski, On image compression by competitive neural networks and optimal linear predictors (6) 559–565
- Civanlar, M.R., *see* A. Basso (1–2) 165–178
- Civanlar, M.R., *see* A.M. Tekalp (1–2) 1–5
- Civanlar, M.R., *see* A.M. Tekalp (3) 255–263
- Côté, G. and F. Kossentini, Optimal intra coding of blocks for robust video communication over the Internet (1–2) 25–34
- Cohen, R., *see* H. Radha (1–2) 95–126
- Cziho, A., B. Solaiman, I. Loványi, G. Cazuguel and C. Roux, An optimization of finite-state vector quantization for image compression (6) 545–558
- De Natale, F.G.B., *see* L. Atzori (1–2) 57–76
- Diamantaras, K.I., M.G. Strintzis and I. Sarafidis, Optimal reconstruction from quantized data (9) 811–815
- Ebrahimi, T. and C. Horne, MPEG-4 natural video coding – An overview (4–5) 365–385
- Eleftheriadis, A., *see* O. Avaro (4–5) 281–298
- Eleftheriadis, A., *see* C. Herpel (4–5) 299–320
- Eleftheriadis, A., *see* J. Signès (4–5) 321–345
- Evans, B.L., *see* J.I. Kim (7–8) 643–663
- Fisher, Y., *see* J. Signès (4–5) 321–345
- Franceschini, G., The delivery layer in MPEG-4 (4–5) 347–363
- Frater, M.R. and J.F. Arnold, Coding of 12-bit video from thermal imaging systems (10) 907–916
- Frater, M.R., W.S. Lee, M. Pickering and J.F. Arnold, Error concealment in video coding of arbitrarily shaped objects (7–8) 631–641
- Frimout, E.D., *see* R.L. Lagendijk (6) 531–544
- Gasull, A., *see* P. Nunes (7–8) 585–599
- Girod, B., *see* U. Horn (1–2) 77–94
- Grant, P.M., *see* P.M. Antoszczyszyn (6) 567–580
- Guillemot, C., *see* F. Le Léannec (1–2) 35–56

- Hagenauer, J., *see* W. Xu (3) 217-229  
 Hannah, J.M., *see* P.M. Antoszczyszyn (6) 567-580  
 Helsingius, M., P. Kuosmanen and J. Astola, Image compression using multiple transforms (6) 513-529  
 Herpel, C. and A. Eleftheriadis, MPEG-4 Systems: Elementary stream management (4-5) 299-320  
 Herpel, C., *see* O. Avaro (4-5) 281-298  
 Hollmann, J., *see* W. Xu (3) 217-229  
 Horn, U., K. Stuhlmüller, M. Link and B. Girod, Robust internet video transmission based on scalable coding and unequal error protection (1-2) 77-94  
 Horne, C., *see* T. Ebrahimi (4-5) 365-385  
 Israeli, M., *see* A. Averbuch (3) 231-254  
 Izquierdo, E. and J.-R. Ohm, Image-based rendering and 3D modeling: A complete framework (10) 817-858  
 Jang, E.S., *see* S.-H. Son (7-8) 619-629  
 Jeong, J., *see* T.K. Kim (10) 869-877  
 Katsaggelos, A.K., *see* F.W. Meier (7-8) 685-701  
 Kim, T., B. Roh and J. Kim, An accurate bit-rate control for real-time MPEG video encoder (6) 479-492  
 Kim, J., *see* J. Chung (7-8) 665-684  
 Kim, J., *see* T. Kim (6) 479-492  
 Kim, J., *see* H. Song (1-2) 127-148  
 Kim, J.I., A.C. Bovik and B.L. Evans, Generalized predictive binary shape coding using polygon approximation (7-8) 643-663  
 Kim, J.-k., *see* K.-y. Yoo (3) 201-216  
 Kim, J.S., *see* S.S. Kim (3) 189-199  
 Kim, S.-D., *see* W.-J. Kim (3) 181-188  
 Kim, S.S., J.S. Kim and H.W. Park, Subblock sum matching algorithm for block-based interframe coding (3) 189-199  
 Kim, T.K., J.K. Paik, C.S. Won, Y. Choe, J. Jeong and J.Y. Nam, Blocking effect reduction of compressed images using classification-based constrained optimization (10) 869-877  
 Kim, W.-J., J.-W. Yi and S.-D. Kim, Quality scalable coding of selected region: Its modeling and H.263-based implementation (3) 181-188  
 Koenen, R., Profiles and levels in MPEG-4: Approach and overview (4-5) 463-478  
 Kossentini, F., *see* G. Côté (1-2) 25-34  
 Kunz, O., *see* K. Brandenburg (4-5) 423-444  
 Kuo, C.-C.J., *see* H. Song (1-2) 127-148  
 Kuosmanen, P., *see* M. Helsingius (6) 513-529  
 Lagendijk, R.L., E.D. Frimout and J. Biemond, Low-complexity rate-distortion optimal transcoding of MPEG I-frames (6) 531-544  
 Le Léannec, F., F. Toutain and C. Guillemot, Packet loss resilient MPEG-4 compliant video coding for the Internet (1-2) 5-56  
 Lee, J., *see* J. Chung (7-8) 665-684  
 Lee, S.-H., *see* S.-H. Son (7-8) 619-629  
 Lee, W.S., *see* M.R. Frater (7-8) 631-641  
 Lee, Y., *see* E.D. Scheirer (4-5) 445-461  
 Leonardi, R., *see* L. Bertoglio (1-2) 149-164  
 Liao, S.J., *see* C.Y. Wang (10) 879-890  
 Link, M., *see* U. Horn (1-2) 77-94  
 Loványi, I., *see* A. Czigó (6) 545-558  
 Ma, K.-K. and S. Zhu, Fundamental error analysis and geometric interpretation for block truncation coding techniques (10) 859-867  
 Marqués, F., *see* P. Nunes (7-8) 585-599  
 Meier, F.W., G.M. Schuster and A.K. Katsaggelos, A mathematical model for shape coding with B-splines (7-8) 685-701  
 Meyer, F., *see* A. Averbuch (3) 231-254  
 Mian, G.A., *see* G. Bologna (10) 891-906  
 Migliorati, P., *see* L. Bertoglio (1-2) 149-164  
 Moon, J., *see* J. Chung (7-8) 665-684  
 Nam, J.Y., *see* T.K. Kim (10) 869-877  
 Nunes, P., F. Marqués, F. Pereira and A. Gasull, A contour-based approach to binary shape coding using a multiple grid chain code (7-8) 585-599  
 Ohm, J.-R., *see* E. Izquierdo (10) 817-858  
 Ostermann, J., *see* A.M. Tekalp (4-5) 387-421  
 Paik, J.K., *see* T.K. Kim (10) 869-877  
 Park, H.W., *see* S.S. Kim (3) 189-199  
 Parthasarathy, K., *see* H. Radha (1-2) 95-126  
 Pereira, F., Editorial: Tutorial Issue on the MPEG-4 standard (4-5) 269-270  
 Pereira, F., MPEG-4: Why, what, how and when? (4-5) 271-279  
 Pereira, F., *see* P. Nunes (7-8) 585-599  
 Pickering, M., *see* M.R. Frater (7-8) 631-641  
 Ploix, A. and B. Vigouroux, Image sequence compression using adapted three-dimensional transform: Application to scintigraphic images (3) 255-263  
 Ra, J.B., *see* B.C. Song (9) 799-810  
 Radha, H., Y. Chen, K. Parthasarathy and R. Cohen, Scalable Internet video using MPEG-4 (1-2) 95-126  
 Rajan, G., *see* O. Avaro (4-5) 281-298  
 Rinaldo, R., *see* G. Bologna (10) 891-906  
 Roh, B., *see* T. Kim (6) 479-492  
 Roux, C., *see* A. Czigó (6) 545-558  
 Rutkowski, L., *see* R. Cierniak (6) 559-565  
 Sankur, B., *see* Y. Yemez (9) 729-766  
 Sarafidis, I., *see* K.I. Diamantaras (9) 811-815  
 Scheirer, E.D., Y. Lee and J.-W. Yang, Synthetic and SNHC audio in MPEG-4 (4-5) 445-461  
 Schuster, G.M., *see* F.W. Meier (7-8) 685-701  
 Seo, Y.-S., *see* S.-H. Son (7-8) 619-629  
 Shin, J.-S., *see* S.-H. Son (7-8) 619-629  
 Signès, J., Y. Fisher and A. Eleftheriadis, MPEG-4's binary format for scene description (4-5) 321-345  
 Solaiman, B., *see* A. Czigó (6) 545-558

- Son, S.-H., E.S. Jang, S.-H. Lee, D.-S. Cho, J.-S. Shin and Y.-S. Seo**, Scan interleaving based scalable binary shape coding (7-8) 619-629
- Song, B.C. and J.B. Ra**, A fast multi-resolution block matching algorithm for motion estimation (9) 799-810
- Song, H., J. Kim and C.-C.J. Kuo**, Real-time encoding frame rate control for H.263 + video over the Internet (1-2) 127-148
- Strintzis, M.G.**, *see* **K.I. Diamantaras** (9) 811-815
- Stuhlmüller, K.**, *see* **U. Horn** (1-2) 77-94
- Sugiyama, A.**, *see* **K. Brandenburg** (4-5) 423-444
- Tekalp, A.M.**, Editorial: Image Communication in the New Millennium (3) 179-180
- Tekalp, A.M. and M.R. Civanlar**, Editorial: Real-time Video over the Internet (1-2) 1-5
- Tekalp, A.M. and M.R. Civanlar**, Erratum to "Editorial: Real-time Video over the Internet" (3) 265-266
- Tekalp, A.M. and J. Ostermann**, Face and 2-D mesh animation in MPEG-4 (4-5) 387-421
- Toutain, F.**, *see* **F. Le Léannec** (1-2) 35-56
- Tsai, W.-H.**, *see* **J.C.-Y. Yang** (9) 781-797
- Vigouroux, B.**, *see* **A. Ploix** (3) 255-263
- Wang, C.Y., S.J. Liao and L.W. Chang**, Wavelet image coding using variable blocksize vector quantization with optimal quadtree segmentation (10) 879-890
- Wang, L.**, Rate control for MPEG video coding (6) 493-511
- Wang, Z., D. Zhang and Y. Yu**, Hybrid image coding based on partial fractal mapping (9) 767-779
- Ward, L.**, *see* **O. Avaro** (4-5) 281-298
- Won, C.S.**, *see* **T.K. Kim** (10) 869-877
- Wu, M.-J.**, *see* **P.-R. Chang** (9) 705-727
- Xu, W., J. Hagenauer and J. Hollmann**, Joint source and channel decoding of compressed still images (3) 217-229
- Yang, J.-W.**, *see* **E.D. Scheirer** (4-5) 445-461
- Yang, J.C.-Y. and W.-H. Tsai**, Document image segmentation and quality improvement by moiré pattern analysis (9) 781-797
- Yemez, Y., B. Sankur and E. Anarim**, A quadratic motion-based object-oriented video codec (9) 729-766
- Yi, J.-W.**, *see* **W.-J. Kim** (3) 181-188
- Yoo, K.-y. and J.-k. Kim**, New motion estimation and compensation algorithms for video compression combining global and local motions (3) 201-216
- Yu, Y.**, *see* **Z. Wang** (9) 767-779
- Zhang, D.**, *see* **Z. Wang** (9) 767-779
- Zhu, S.**, *see* **K.-K. Ma** (10) 859-867

